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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 10

Complete if Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632 K647
Examiner Name	Not Yet Assigned Nichols

DEC 11 2001

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### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
CJW	196	6,150,091		Pandolfo et al.	11-21-2000	_____
CJW	1	6,057,367		Stamler et al.	05-02-2000	_____
CJW	2	5,958,883		Snow	09-28-1999	_____
CJW	3	5,955,317		Suzuki et al.	09-21-1999	_____
CJW	4	5,955,079		Mond et al.	09-21-1999	_____
CJW	5	5,877,399		Hsiao et al.	03-02-1999	_____
CJW	6	5,869,093		Weiner et al.	02-09-1999	_____
CJW	7	5,869,054		Weiner et al.	02-09-1999	_____
CJW	8	5,854,204		Findeis et al.	12-29-1998	_____
CJW	9	5,851,996		Kline	12-22-1998	_____
CJW	10	5,849,298		Weiner et al.	12-15-1998	_____
CJW	11	5,837,473		Maggio e al.	11-17-1998	_____
CJW	12	5,786,180		Konig et al.	07-28-1998	_____
JL	207	5,780,587		Potter	07-14-1998	_____
CJW	13	5,753,624		McMichael et al.	05-19-1998	_____
CJW	14	5,750,349		Suzuki et al.	05-12-1998	_____
CJW	197	5,744,368		Goldgaber et al.	04-28-1998	_____
CJW	211	5,736,142		Sette et al.	04-07-1998	_____
CJW	15	5,733,547		Weiner et al.	03-31-1998	_____
CJW	16	5,688,651		Solomon	11-18-1997	_____
	17	5,679,348		Nesburn et al.	10-21-1997	_____
	18	5,645,820		Hafler et al.	07-08-1997	_____
	19	5,641,474		Hafler et al.	06-24-1997	_____
	20	5,641,473		Hafler et al.	06-24-1997	_____
	21	5,612,486		McConlogue et al.	03-18-1997	_____
	22	5,605,811		Seubert et al.	02-25-1997	_____
	23	5,585,100		Mond et al.	12-17-1996	_____
	24	5,571,500		Hafler et al.	11-05-1996	_____
	25	5,571,499		Hafler et al.	11-05-1996	_____
	175	5,441,870		Seubert, et al.	08-15-1995	_____
	26	5,434,170		Andrusis, Jr.	07-18-1995	_____
	27	5,387,742		Cordell	02-07-1995	_____
	181	5,270,165		Van Nostrand et al.	12-14-1993	_____
	28	5,231,000		Majocha et al.	07-27-1993	_____
	29	5,220,013		Ponte et al.	06-15-1993	_____
	30	5,208,036		Eppstein et al.	05-04-1993	_____
	31	5,192,753		McGeer et al.	03-09-1993	_____

Examiner Signature

*J. M. S.*

Date Considered

11/15/02

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 10

Complete if Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632 1647
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US

DEC 11 2001

	32	5,187,153		Cordell et al.	02-16-93	
	33	5,057,540		Kensil et al.	10-15-1991	
	198	5,004,697		Pardridge	04-02-1991	
	34	4,666,829		Glenner et al.	05-19-1987	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
GSN	35	EP	911 036	A2	██████████	04-28-1999	██████████	
GSN	36	EP	868 918	A2	██████████	10-07-1998	██████████	
GSN	37	EP	863 211	A1	██████████	09-09-1998	██████████	
GSN	38	EP	845 270	A1	██████████	06-03-1998	██████████	
GSN	39	EP	782 859	A1	██████████	07-09-1997	██████████	
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GSN	187	EP	760 104	A1	██████████	07-08-1997	██████████	
GSN	199	PCT	00/77178	A1	██████████	12-21-2000	██████████	
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GSN	61	PCT	98/07850	A2	██████████	02-26-1998	██████████	

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Date Considered

11/15/02

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 10

### Complete if Known

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1032-1647
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US

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202	PCT	97/21728	A1	06-19-1997	
62	PCT	97/17613	A1	05-15-1997	
63	PCT	96/39176	A1	12-12-1996	
208	PCT	96/28471	A1	09-19-1996	
64	PCT	96/25435	A1	08-22-1996	
65	PCT	96/18900	A1	06-20-1996	
66	PCT	95/31996	A1	11-30-1995	
200	PCT	95/12815	A1	05-11-1995	
67	PCT	95/11994	A1	05-04-1995	
68	PCT	95/11311	A1	04-27-1995	
69	PCT	95/05853	A1	03-02-1995	
70	PCT	95/04151	A2	02-09-1995	
201	PCT	94/28412	A1	12-08-1994	
71	PCT	94/03615	A1	02-17-1994	
72	PCT	94/01772	A1	01-20-1994	
73	PCT	93/21950	A1	11-11-1993	
74	PCT	93/16724	A1	09-02-1993	
75	PCT	93/15760	A1	08-19-1993	
76	PCT	93/14200	A1	07-22-1993	
205	PCT	93/04194	A1	03-04-1993	
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78	PCT	92/13069	A1	08-06-1992	
79	PCT	92/06708	A1	04-30-1992	
80	PCT	92/06187	A1	04-16-1992	
81	PCT	91/19810	A1	12-26-1991	
82	PCT	91/16819	A1	11-14-1991	
83	PCT	91/12816	A1	09-05-1991	
84	PCT	91/08760	A1	06-27-1991	
85	PCT	90/12871	A1	11-01-1990	
86	PCT	90/12870	A1	11-01-1990	
87	PCT	89/01343	A1	02-23-1989	
88	PCT	89/06242	A1	07-13-1989	
89	PCT	89/06689	A1	07-27-1989	
90	PCT	89/03687	A1	05-05-1989	
91	PCT	88/10120	A1	12-29-1988	
92	GB	2 220 211	A	01-04-1990	
93	GB	2 335 192	A	09-15-1999	

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Signature

Date  
Considered

11/01/02

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/724,575
				Filing Date	November 28, 2000
				First Named Inventor	Dale B. Schenk et al.
				Group Art Unit	1632 <i>ADFT</i>
				Examiner Name	Not Yet Assigned <i>Nichols</i>
Sheet	4	of	10	Attorney Docket Number	15270J-005912US

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
<i>GJW</i>	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?", <i>Neurology</i> , 45:1441-1445 (1995).	<input type="checkbox"/>	
<i>GJW</i>	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <i>The Boston Globe</i> (4/13/95).	<input type="checkbox"/>	
<i>GJW</i>	96	BAUER et al., "Interleukin-6 and $\alpha$ -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <i>FEBS Letters</i> , 285(1):111-114 (1991).	<input type="checkbox"/>	
<i>GJW</i>	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <i>Eur. J. Immunol.</i> 29:345-354 (1999).	<input type="checkbox"/>	
<i>GJW</i>	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <i>Soc. for Neuroscience Abstracts</i> 18:764 (1992).	<input type="checkbox"/>	
<i>GJW</i>	176	BARD et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nature Medicine</i> , 6(8):916-919 (2000).	<input type="checkbox"/>	
<i>GJW</i>	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <i>New England J. Medicine</i> , 341(22):1694 (1999).	<input type="checkbox"/>	
<i>GJW</i>	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <i>Biochem. Biophys. Res. Comm.</i> , 171(2):890-897 (1990).	<input type="checkbox"/>	
<i>GJW</i>	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <i>Neuron</i> , 19: 939-945 (1997).	<input type="checkbox"/>	
<i>GJW</i>	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <i>Cur. Opin. Genet. Develop.</i> , 3: 102-109 (1993).	<input type="checkbox"/>	
<i>GJW</i>	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val->Ile) in 85 cases of early onset Alzheimer's disease," <i>J. Neurology, Neurosurg. Psychiatry</i> , 56:112-115 (1993).	<input type="checkbox"/>	
<i>GJW</i>	102	CHAO et al., "Transforming Growth Factor- $\beta$ Protects human Neurons Against $\beta$ -Amyloid-Induced Injury," <i>Soc. Neurosci. Abstracts</i> , 19:513.7 (1993).	<input type="checkbox"/>	
<i>GJW</i>	213	CHEN et al. "An Antibody to $\beta$ Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <i>Science Letters</i> 125:223-226 (1991).	<input type="checkbox"/>	
<i>GJW</i>	214	DEMATTOS et al., "Peripheral Anti A $\beta$ Antibody Alters CNS And Plasma A $\beta$ Clearance and Decreases Brain A $\beta$ Burden in a Mouse Model of Alzheimer's Disease," <i>Proc. Natl. Acad. Sci. USA</i> , 10:1073/pnas.151261398 (2001).	<input type="checkbox"/>	
<i>GJW</i>	103	DUFF et al., "Mouse model made," <i>Nature</i> , 373: 476-477 (1995).	<input type="checkbox"/>	

Examiner Signature	<i>G. Michael Nichols</i>	Date Considered	11/15/02
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

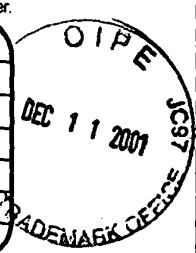
(use as many sheets as necessary)

Sheet 5 of 10

**Complete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632 K617
Examiner Name	Not Yet Assigned Nichols

Attorney Docket Number 15270J-005912US



104	ELIZAN et al., "Antineurofilament antibodies in a postencephalitic and idiopathic Parkinson's disease," <u>J. Neurol. Sciences</u> , 59:341-347 (1983).
105	FELSENSTEIN et al., "Processing of the $\beta$ -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <u>Neuroscience Letters</u> , 152:185-189 (1993).
106	FINCH et al., "Evolutionary Perspectives on Amyloid and Inflammatory Features of Alzheimer Disease," <u>Neurobiology of Aging</u> , 17(5):809-815 (1996).
107	FISHER et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <u>PNAS</u> , 88:1779-1782 (1991).
108	FLANDERS et al., "Altered expression of transforming growth factor- $\beta$ in Alzheimer's disease," <u>Neurology</u> , 45:1561-1569 (1995).
210	FRIEDLAND et al., "Development of an anti-A $\beta$ monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <u>Mol. Neurology</u> , 9:107-113 (1994).
109	GAMES et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F $\beta$ -amyloid precursor protein," <u>Nature</u> , 373(6514): 523-527 (1995).
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110	GANDY et al., "Amyloidogenesis in Alzheimer's disease: some possible therapeutic opportunities," <u>TIPS</u> , 13:108-113 (1992).
111	GASKIN et al., "Human antibodies reactive with beta-amyloid protein in Alzheimer's disease," <u>J. Exp. Med.</u> , 177:1181-1186 (1993).
112	GLENN et al., "Skin immunization made possible by cholera toxin," <u>Nature</u> , 391: 851 (1998).
113	GLENNER et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <u>Biochemical and Biophysical Research Communications</u> , 120(3): 885-890 (1994).
114	GLENNER et al., "Alzheimer's Disease and Downs Syndrome: Sharing of A Unique Cerebrovascular Amyloid Fibril Protein," <u>Biochemical and Biophysical Research Communications</u> , 122(3): 1131-1135 (1984).
115	GOATE et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <u>Nature</u> , 349:704-706 (1991).
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190	GRAVINA et al., "Amyloid $\beta$ Protein (A $\beta$ ) in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 270(13):7013-7016 (1995).
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118	HAGA et al., "Synthetic Alzheimer amyloid $\beta$ /A4 peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993).

Examiner Signature

Date Considered

11/15/02

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 6 of 10

**C mplete if Known**

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632-1617
Examiner Name	Not Yet Assigned Nichols

Attorney Docket Number 15270J-005912US

grw	119	HANES et al., "New advances in microsphere-based single-dose vaccines," <u>Advanced Drug Delivery Reviews</u> , 28: 97-119 (1997).	—
grw	120	HARDY, "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> , 20(4): 154-159 (1997).	—
grw	121	HARDY, John, "New Insights into the Genetics of Alzheimer's Disease," <u>Annals of Med.</u> , 28:255-258 (1996).	—
grw	193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of $\beta$ / A4-protein," <u>Biochimica Biophysica Acta</u> , 1158:120-128 (1993).	—
grw	177	HELMUTH, L., "Further Progress on a $\beta$ -Amyloid Vaccine," <u>Science</u> , 289:375 (2000).	—
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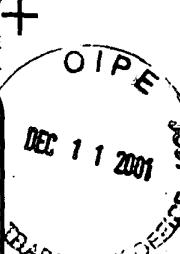
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Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1692-K047
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US



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Examiner Signature	<i>G. Miles</i>	Date Considered	11/15/02
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Sheet 8 of 10

Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632-KAT
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US

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B A D E R & F A Y C O M P A N Y

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Sheet 9 of 10

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Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1632 1647
Examiner Name	Not Yet Assigned Nichols
Attorney Docket Number	15270J-005912US

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Application Number	09/724,575
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk et al.
Group Art Unit	1602-1647
Examiner Name	Not Yet Assigned <i>M. Nichols</i>
Attorney Docket Number	15270J-005912US

<i>GW</i>	171	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <i>J. Food Drug Analysis</i> , 6(2):465-476 (1998).	—
<i>GW</i>	172	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <i>Nature Biotech.</i> , 18:868-824 (2000).	—
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<i>GW</i>	173	WOOD et al., "Amyloid precursor protein processing and Aβ42 deposition in a transgenic mouse model of Alzheimer disease," <i>PNAS</i> , 94: 1550-1555 (1997).	—
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